

## ABSTRACT OF THE DISCLOSURE

5 A surface acoustic wave device includes a piezoelectric substrate, a first interdigital transducer and a second interdigital transducer formed on the substrate so that the first and second interdigital transducers are opposed to each other. The substrate includes a doping region that is doped with a substance in at least one form selected from the group consisting of atoms, molecules and clusters in a surface between the first and second interdigital transducers.

09668971-092500